

APPLICATION REQUIREMENTS:

These instructions are applicable for AGS 900 operators.

90-19537:

PART NUMBER	DESCRIPTION	QUANTITY
TCG1	1 CHANNEL COMMERCIAL RECEIVER	1
TC1	1 BUTTON TX TRANSMITTER	2
82-HX06-12T	SCREW, #6-32 X 1/2" LONG HEX HEAD PH	4

MOUNTING INSTRUCTIONS

Mounting of Radio Kit:

1. The front of the AGS 900 is the side where the AGS 900 silver logo is visible. Remove this cover from the AGS 900 chassis.
2. Below the AGS 900 top cover is an open location on the front face of the AGS 900 chassis. It is the area just below the three hex head screws that are in horizontal alignment. Locate the TCG1 receiver just below these hex screws.
3. Remove the top cover of the TCG1 receiver and locate the four mounting holes. The TCG1 installation instructions point out the mounting holes. Using a felt tip marker, center and place the TCG1 receiver base onto the front face of the AGS 900 below the three hex head screws and mark the mounting holes with the felt tip marker on the AGS 900 gate operator chassis.
4. Use a tap drill for a #6-32 self-tapping screw and drill out the four mounting holes on the AGS 900 chassis.
5. Using the four #6-32 self-tapping screws, mount the TCG1 base to the AGS 900 chassis.
6. Set Jumper P3 to 12V. The jumper is above the red LED.
7. Set Jumper CH1 MODE to MNT. The jumper is below the red DIP-switch.
8. Set the CONFIGURATION SWITCH TO DELTA-3/LINEAR. The switch is to the right of the DIP-switch.

WIRING CONNECTIONS

1. Locate the side of the AGS 900 chassis with the key switch. Note that below the key switch are two "knock-outs." One is 1.5" in diameter, and the other is 0.5" in diameter. The smaller "knock-out" is directly below the key switch. Remove 0.5" diameter plastic "knock-out" from the AGS 900 chassis.
2. Route the cable attached to the TCG1 receiver through the "knock-out" hole, under the limit switch assembly, then up along the left side of the circuit board (as you face the circuit board).
3. Review the TCG1 installation instructions to identify the wires for power and the radio control.
 - a. Red and Black wires are the +12V/24V power wires.
 - b. White/Green and White/Yellow are the Radio Control wires.
4. AGS 900 Circuit Board Wire Connections:
 - a. Connect the RED wire from the TCG1 cable to terminal TB1-12 on the AGS 900 Circuit Board.
 - b. Connect the BLACK wire from the TCG1 cable to terminal TB1-8 on the AGS 900 Circuit Board.



WARNING

TO AVOID SERIOUS PERSONAL INJURY OR DEATH FROM ELECTROCUTION, DISCONNECT ELECTRIC POWER TO OPERATOR BEFORE INSTALLING.

WIRING CONNECTIONS (CON'T)

- c. Connect the WHITE/GREEN wire from the TCG1 cable to terminal pin 26 on the AGS 900 Circuit Board. The five pin terminal block for this connection is located on the top-right side as you face the control board.
 - d. Connect the WHITE/YELLOW wire from the TCG1 cable to terminal pin 27 on the AGS 900 Circuit Board. The five pin terminal block for this connection is located on the top-right side as you face the control board.
5. Place the AGS 900 top cover back onto the AGS 900 chassis and tighten the locking screw.

PROGRAMMING

1. Randomly set the DIP-switch switches as described in the TCG1 installation instructions at Step 4, page 3.
2. Remove the cover from the two TC1 transmitters and set the CONFIGURATION SWITCH to DELTA-3/LINEAR on both TC1 transmitters. The switch is to the right of the red DIP-switch.
3. Set the DIP-switch switches on the two TC1 transmitters to the same pattern as set on the TCG1 DIP-switch.
4. **NOTE: Always assign different DIP-switch settings for each TCG1 receiver used on other AGS 900 gate operators. Never assign the same DIP-switch settings to two TCG1 receivers.**
5. Put the TC1 cover back on the TC1 transmitter.
6. Repackage the TC1 transmitters in their cartons.
7. Place the TCG1 cover back onto the TCG1 receiver base and tighten the four locking screws.

FINAL PREPARATION

1. Pack the TCG1 antenna and TCG1 user/installation instructions into the AGS user manual packet found in the AGS 900 carton.
2. Pack the two TC1 transmitters into the AGS 900 carton.
3. Repackage the AGS 900 carton and ship!